

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS) **FORD 1**

ACCESSION NBR: 9312020307 DOC. DATE: 93/11/18 NOTARIZED: NO DOCKET #
 FACIL: 50-438 Bellefonte Nuclear Plant, Unit 1, Tennessee Valley Au 05000438
 50-439 Bellefonte Nuclear Plant, Unit 2, Tennessee Valley Au 05000439
 AUTH. NAME AUTHOR AFFILIATION
 GILLEY, S. D. Tennessee Valley Authority
 RECIP. NAME RECIPIENT AFFILIATION
 NRC - No Detailed Affiliation Given

SUBJECT: Deficiency rept re DG starting air sys where mismatched capacities of compressor/dryer arrangement will result in increase in amount of moisture present in sys downstream of dryers. Final rept will be submitted by 931218.

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 TITLE: 50.55(e) Construction Deficiency Report

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NRC FORM 301
(8-89)

U. S. NUCLEAR REGULATORY COMMISSION
OPERATIONS CENTER

EVENT NOTIFICATION WORKSHEET

NOTIFICATION TIME	FACILITY OR ORGANIZATION	UNIT	CALLER'S NAME	CALLBACK: ERS ___ OR
November 18, 1993 2:55 pm	Bellefonte Nuclear Plant	1,2	S. D. Gilley	(205) 574 - 8924

EVENT TIME & ZONE	EVENT DATE	1-Hr Non-Emergency 10 CFR 50.72(d)(1)			(v) Lost Offsite Comms
N/A	N/A				(vi) Fire
POWER/MODE BEFORE	POWER/MODE AFTER	(i)(A) TS Required S/D			(vi) Toxic Gas
N/A	N/A	(i)(B) TS Deviation			(vi) Rad Release
		(ii) Degraded Condition			(vi) Oth Hampering Safe Op.
		(ii)(A) Unanalyzed Condition		4-Hr Non-Emergency 10 CFR 50.72(d)(2)	
EVENT CLASSIFICATIONS		(ii)(B) Outside Design Basis			(i) Degrade While S/D
		(ii)(C) Not Covered by OPs/EPs			(ii) RPS Actuation (scram)
<input type="checkbox"/>	GENERAL EMERGENCY	(iii) Earthquake			(ii) ESF Actuation
<input type="checkbox"/>	SITE AREA EMERGENCY	(iii) Flood			(iii)(A) Safe S/D Capability
<input type="checkbox"/>	ALERT	(iii) Hurricane			(iii)(B) RHR Capability
<input type="checkbox"/>	UNUSUAL EVENT	(iii) Ice/Hail			(iii)(C) Control of Rod Release
<input type="checkbox"/>	50.72 NON-EMERGENCY	(iii) Lightning			(iii)(D) Accident Mitigation
<input type="checkbox"/>	PHYSICAL SECURITY (73.71)	(iii) Tornado			(iv)(A) Air Release > 2X App B
<input type="checkbox"/>	TRANSPORTATION	(iii) Other Natural Phenomenon			(iv)(B) Liq Release > 2X App B
<input type="checkbox"/>	20.403 MATERIAL/EXPOSURE	(iv) ECCS Discharge to RCS			(v) Offsite Medical
<input checked="" type="checkbox"/>	OTHER 50.55(e)	(v) Lost ENS			(vi) Offsite Notification
<input type="checkbox"/>		(v) Lost Emerg. Assessment			

DESCRIPTION

In accordance with 10 CFR 50.55(e), this notification is being made to the NRC of a condition involving the diesel generator starting air system where the mismatched capacities of the compressor/dryer arrangement will result in an increase in the amount of moisture present in the system downstream of the dryers, which could affect the proper operation of downstream components including the diesel generators. The capacities of the diesel generator starting air compressors are greater than that of the associated dryers. This configuration, supplied by the vendor, introduces air into the receiver tank which has a dew point higher than that specified on the vendor supplied drawings for the compressor and dryer assembly.

The starting air system was designed to be used with dry air. The compressor/dryer arrangement is not safety-related but the receiver tank is safety-related. The safety-related function of the tank is to provide 5 starts of a cold diesel engine without recharging the tank.

A final report, in accordance with 10 CFR 50.55(e), will be submitted by December 18, 1993. This discrepancy is documented in Significant Corrective Action Report (SCAR) BLP930110SCA.

NOTIFICATIONS	YES	NO	WILL BE	ANYTHING UNUSUAL OR NOT UNDERSTOOD?	YES <small>(Check one)</small>	X	NO
NRC RESIDENT			X				
STATE(s)		X		DID ALL SYSTEMS FUNCTION AS REQUIRED?	YES	X	NO <small>(Check one)</small>
LOCAL		X					
OTHER GOV AGENCIES		X		MODE OF OPERATION UNTIL CORRECTED	N/A		ADDITIONAL INFO ON BACK?
MEDIA/PRESS RELEASE		X				N/A	NO

NRC FORM 301 (8-89)

9312020307 931118
PDR ADDCK 05000438
S PDR

NRC FORM 301 (9-82)

ADDITIONAL INFORMATION

OTHER OPERATIONS CENTER

RADIOLOGICAL RELEASES : CHECK OR FILL IN APPLICABLE ITEMS (specific details/explanations should be covered in event description)

LIQUID RELEASE	GASEOUS RELEASE	UNPLANNED RELEASE	PLANNED RELEASE	ONGOING	TERMINATED
MONITORED	UNMONITORED	OFFSITE RELEASE	T.S. EXCEEDED	RM ALARMS	AREAS EVACUATED
PERSONNEL EXPOSED OR CONTAMINATED		OFFSITE PROTECTIVE ACTIONS RECOMMENDED		*State release path in description.	

	Release Rate (Ci/sec)	% T.S. Limit	HOO GUIDE	Total Activity (Ci)	% T.S. Limit	HOO GUIDE
Noble Gas			0.1 Ci/sec			1000 Ci
Iodine			10 µCi/sec			0.1 Ci
Particulate			1 µCi/min			1 mCi
Liquid (excluding tritium & dissolved noble gases)			10 µCi/min			0.1 Ci
Liquid (tritium)			0.2 Ci/min			5 Ci
Total Activity						

	PLANT STACK	CONDENSER/AIR EJECTOR	MAIN STEAM LINE	SG BLOWDOWN	OTHER
RAD MONITOR READINESS					
ALARM SETPOINTS					
% T.S. LIMIT (if applicable)					

RCS OR SG TUBE LEAKS: CHECK OR FILL IN APPLICABLE ITEMS: (specific details/explanations should be covered in event description)

LOCATION OF THE LEAK (e.g., SG#, valve, pipe, etc.)

LEAK RATE	UNITS: gpm/gpd	T.S. LIMITS	SUDDEN OR LONG TERM DEVELOPMENT
LEAK START DATE	TIME	COOLANT ACTIVITY & UNITS	PRIMARY SECONDARY

LIST OF SAFETY RELATED EQUIPMENT NOT OPERATIONAL

EVENT DESCRIPTION (Continued from front)

1557801



FAX COVER

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From: Tennessee Valley Authority

Name: Steve Sibley Phone: 574-8924

Organization: TVA - SITE LICENSING

Address: OSE 1C-BLN

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20:169

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